

Albatross

20050

to

20098

1920

TO FISH AT 1000 METERS
 IF THE WIRE HAS A STRAY OF
 30° LET OUT 1156 METERS
 40° " " 1304 "
 50° " " 1560 "

19
 20
 380
 387
 1438
 25
 198

Station No. *C20050* Date: *Mar. 1* 19*20*

Hour: *2.33* P. M. to *4.20* P. M.

Position: Lat. *42-30* N Long. *70-18* W

Chart *HO 941*
Locality: *Gulf 7 Maine*

Depth: *176 M* Bottom: *—* Sample: *—*

Wind: Direction, *NNW* Force, *3*

Air 44 = 6.7

Sea: Sky:

TEMPERATURES

Depth <i>meters</i>	Thermometer— Make and No. <i>BS. #</i>	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used <i>G-B.</i>
<i>0</i>	<i>Tyros "A"</i>	<i>36.25</i>	<i>—</i>	<i>+0.5</i>	<i>2.5</i>	<i>✓</i>	
<i>20</i>	<i>N.2.20873</i>	<i>2.10</i>	<i>8.6</i>	<i>-.15</i>	<i>1.95</i>	<i>✓</i>	<i>2</i>
<i>40</i>	<i>N.2.20875</i>	<i>2.00</i>	<i>9.0</i>	<i>-.11</i>	<i>1.89</i>	<i>✓</i>	<i>6</i>
<i>100</i>	<i>N2 20874</i>	<i>1.68</i>	<i>8.5</i>	<i>-.16</i>	<i>1.52</i>	<i>✓</i>	<i>4</i>
<i>150</i>	<i>N2 20872</i>	<i>1.86</i>	<i>9.0</i>	<i>-.18</i>	<i>1.68</i>	<i>✓</i>	<i>5</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11-5314

1.5
2
3.0
3.5
4.0

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Vertical net	150 M	3.30	3.32	
meter "	75-0	3.45	4.15	1/2
Surface #20	0	"	"	"
" 1/2 meter	0	"	"	"
meter net - 150 m. - only - av. \angle 70° - varied 60° - 80°				

11-5314

NOTES

Wells' alkalinity Tubes.
alkalinity
Green indicator - darker than 8.
Red indicator, lighter than 7.8.
Can't get an agreement.

1.8
2.1
3.6
3.78
3.8
3.2
35.8

Station No. 20051

Date: Mar 1-2 1920

Hour: 7.00 P. M. to 7.30 A. M.

Position: Lat. 42-30-30 N Long. 70-08-30 W
Chart HO 941

Locality:

Depth: 44 fms Bottom: — Sample: —
79 meters

Wind: Direction, — Force, —

Sea: — Sky: —

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Duration in Mins Corrected Temp.	W. Sample	Knots per hour Bottle used
11.12					13.25		0.50
					12.8		0.50
					15.6		0.97
					13.06		1.10
					11.8		1.10
					11.6		1.30
					11.2		0.70
					11.3		0.70
					10.5		1.20
					11.5		0.70
					11.0		0.50
					11.2		0.60
					11.5		0.60
					11.5		0.60

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction
					10.5	0.70
					11.2	0.60
					11.0	0.50

Color of water: Transparency: 11.5 0.50

REMARKS: Anchored in 44 fms. 11.19 0.60
11.2 0.50
11.8 0.50
15.21 0.60
10.35 0.50

Station No. *C-20052* Date: *Mar. 2* 19*20*

Hour: *6:15 P* . M. to *9:30 P* . M.

Position: Lat. *42°42' N* Long. *68°41'*
Chart HO 941

Locality:

Depth: *210 m* Bottom: *—* Sample: *—*

Wind: Direction, *ENE* Force, *1*
Air 26 = -3.3

Sea: *smooth* Sky: *cloudy*

TEMPERATURES

Depth meters	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	<i>B.S.#</i>						<i>GB #</i>
<i>0</i>	<i>NZ 169602</i>	<i>2.70</i>				<i>✓</i>	
<i>"</i>	<i>R. 153</i>	<i>2.70</i>	<i>6.5</i>	<i>-08</i>	<i>2.62</i>		<i>8</i>
<i>20</i>	<i>NZ 21575</i>	<i>2.29</i>	<i>7.5</i>	<i>-05</i>	<i>2.24</i>	<i>✓</i>	<i>8</i>
<i>40</i>	<i>" 20873</i>	<i>2.50</i>	<i>0°</i>	<i>-02</i>	<i>2.48</i>	<i>✓</i>	<i>2</i>
<i>100</i>	<i>" 20875</i>	<i>2.50</i>	<i>3.0</i>	<i>-03</i>	<i>2.47</i>	<i>✓</i>	<i>6</i>
<i>150</i>	<i>" 20874</i>	<i>3.60</i>	<i>.5°</i>	<i>0</i>	<i>3.60</i>	<i>✓</i>	<i>4</i>
<i>200</i>	<i>" 20872</i>	<i>5.40</i>	<i>1.0</i>	<i>-16</i>	<i>5.24</i>	<i>✓</i>	<i>5</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Vertical (1 1/2 meter)	200-0	7:08	7:13	
Closing net (cable out 200 m)	L 35-45° 170°	7:23	8:11	
Meter net (cable out 125 m)		8:11	8:45	
#20 #10 (1/2 m)	0	8:15 "	8:45	
1/2 meter (cable out 125 m)	100-0	9:05	9:20	

11-5314

NOTES

Closing, meter + surface nets towed 30 min.

Closing net successful.
Rich catch - Calanus, Euchaeta -
Mefanymphanes - Limacina -
Sagitta elegans. Beroe.

Meter net carried away, one side of
loop of sinker having parted. The
1/2 meter net was put down to the
same depth and towed 10 min.

NETS, ETC., USED

Description	Depth <i>meters</i>	TIME		Speed
		Down	Up	
Vertical (1/2 m)	225-0	5:50	AM	
Closing net (cable out 250m)	225- 0	6:10	6:45	
#20 1/2 m	0	6:05	6:35	
Closing net (cable out 100m)	75- 0	6:55	7:15	
1/2 m	0	6:55	7:10	

11-5314

NOTES

Closing + surface nets towed 30 min.
1/2 m, 2nd haul, towed 15

Station No. *19200-4* Date: *Mar. 3* 191*2*

Hour: *11.10* A.M. to *2:10* P.M.

Position: Lat. *42° 15' N* Long. *71° 45' W*
Chart 40 941

Locality:

Depth: *260 fms.* Bottom: *gy. mud* Sample: *no.*

Wind: Direction, *SW* Force, *2*
Air 39 = 3.9

Sea: Sky:

TEMPERATURES

Depth meters	Thermometer— Make and No. B.S. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	<i>Tycos "A"</i>	<i>36°</i>	<i>—</i>	<i>+0.5</i>	<i>2.5</i>	<i>✓</i>	<i>613</i>
20	<i>N.Z. 21575</i>	<i>1.82</i>	<i>2.</i>	<i>+0.2</i>	<i>1.84</i>	<i>✓</i>	<i>8</i>
40	<i>" 20873</i>	<i>1.87</i>	<i>2.4</i>	<i>+0.1</i>	<i>1.84</i>	<i>✓</i>	<i>2</i>
100	<i>" 20875</i>	<i>1.80</i>	<i>2.5</i>	<i>-0.3</i>	<i>1.77</i>	<i>✓</i>	<i>6</i>
170	<i>" 20874</i>	<i>5.40</i>	<i>3.0</i>	<i>0</i>	<i>5.40</i>	<i>✓</i>	<i>4</i>
250	<i>" 20872</i>	<i>5.51</i>	<i>2.8</i>	<i>0</i>	<i>5.48</i>	<i>✓</i>	<i>3</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *The water sample obtained at 11:10 a.m.; bottle put down at end of tow at 2:25 p.m. + sample was obtained.*

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down AM	Up	
Vertical 15 m	25.0 - 0	11:45	11:49	
Horizontal cable out 15 m, 35°	125.0	12:37	1:11	
1/2 m #20	0	11:55	1:25	
		PM		
1/2 m (cable out 15 m)		1:35	2:00	

11-5314

NOTES

Dredge net used to
 obtain bottom sample 25 m
 deep. Net towed by hand. Towing done
 by 1 man. Net was 15 m long.
 Net was towed at right angle to wind.
 1/2 m net used to obtain sample of
 15 m water column.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Vertical net	225M	6:42	6:45	
Chasing net 4 30-50	175+	6:45	7:15	
Success 30		"	"	
10 meters		"	"	

11-5314

NOTES

Chasing net successful -
 good catch - Calappa &
 Neprapetaphanes.

Station No. 20056 Date: June 2 1912

Hour: 10:15 P. M. to 12:00 Night M.

Position: Lat. 44° 05' Long. 65° 05'
Chart 110 941

Locality:

Depth: 100 M. Bottom: Sample:

Wind: Direction, SW Force, 1 Air 38 = 3.3

Sea: smooth Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surface	B.S. #						G. 2
0	Tyco "A"	33.6	—	+0.5	1.17	✓	
20	N220873	0.52	1.5°	-.02	0.50	✓	
40	" 20875	.51	1.5°	-.02	0.49	✓	6
100	" 20874	2.0	2.0°	-.05	1.95	✓	4

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth m.	TIME		Speed
		Down	Up	
Vertical net	100-0	11.15	11.18	
Clam net (open)	75-0	11.15	12.14	
Surface #20	0	11.30	12.14	
" 1/2 meter	0	"		

11-5314

NOTES

Vertical net, practically nothing.
Clam net used as open net.

Station No. 62011

Date: 7/25/97

191

Hour: 7:15 . M. to 8:30 A . M.

Position: Lat. 43° 21' Long. 65° 58'
Chart H.O. 941

Locality:

Depth: 130 m Bottom: gy M Sample: 20

Wind: Direction, S x W Force, 1
Air 40 = 414

Sea: smooth Sky:

TEMPERATURES

Depth meters	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0.	Tyco "A"	35.5	—	+0.5	2.22	✓	
20	N.Z. 20872	2.00	4.9.	-.09	1.91	✓	5
40	" 20873	2.00	5.	-.09	1.91	✓	2
75	" 20875	1.91	2.5	-.10	1.81	✓	6
125	" 20874	2.1	5.	-.10	2.00	✓	4

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth m.	TIME		Speed
		Down	Up	
Vertical net	120-0	7.50	7.52	
Oblique net - open	75-0	8.00		
H. 20.	0		} 1/2 hour.	
1/2 meter	0			

11-5314

NOTES

vertical - very scanty
 Oblique (used open) - small catch,
 Calanus, Chiron, 2 juv. fish.

Station No. 6-2005 Date: May 11 1920

Hour: 1:10 P. M. to 2:18 P. M.

Position: Lat. $23^{\circ}41'$ Long. $69^{\circ}38'$

Locality:

Depth: 50 m Bottom: Sh. S Sample: 320

Wind: Direction, *S X W* Force, *1*

Sea: *Good* Sky: *Clear* $415/113 = 6.1$

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	100	34.0	-	0.0	1.34	✓	
15	100	34.0	3.5	-0.1	0.66	✓	6
45	100	34.2	4.0	-0.1	1.43	✓	4

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth <i>meters</i>	TIME		Speed
		Down	Up	
Vertical (1/2 m)	45-0	1.28 ^{PM}	1.31	
Closing net - open (440 45 m)	30-0	1.35		
1/2 m (#10) #20	} 0	1.35		1 hour.

11-5314

NOTES

Vertical - hauls anything but sand
 20 - haul - small amb. Calappa
 some large Pluteo trachia -
 20 net - rich brown.

Station No. *C-20059* Date: *March 4* 19*20*

Hour: *6* P.M. to *7:05* P.M.

Position: Lat. *113° 25'* Long. *70° 12'*
Chart 40941

Locality:

Depth: *95 fms* Bottom: *gy. m.* Sample: *—*

Wind: Direction, *ESE* Force, *2*
Air 42 = 5.6

Sea: *Smooth* Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>surface</i>	<i>B.S. #</i>						<i>G.P.</i>
<i>0</i>	<i>4257</i>	<i>33.1</i>		<i>-.1</i>	<i>33.0</i>	<input checked="" type="checkbox"/>	
<i>10</i>	<i>42500</i>	<i>0.66</i>	<i>8.0</i>	<i>-.13</i>	<i>0.53</i>	<input checked="" type="checkbox"/>	
<i>40</i>	<i>42500</i>	<i>0.70</i>	<i>7.5</i>	<i>-.1</i>	<i>0.60</i>	<input checked="" type="checkbox"/>	<i>6</i>
<i>90</i>	<i>" 20874</i>	<i>2.40</i>	<i>4.0</i>	<i>-.07</i>	<i>2.33</i>	<input checked="" type="checkbox"/>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
25 (1/2 m)	70-0		7:05	
20 (1/2 m)	60-0	6:30	7:00	
10 (1/2 m)	50-0			

11-5314

NOTES

1st net - nothing
 not saved.
 2nd net - rich station,
 other net nearly full with
 long & deep. Some Euphausiids.

Station No. *C-20060* Date: *Apr. 11* 191*1*

Hour: *10-30 P. M.* to *12 M. M.*

Position: Lat. *43° 02'* Long. *70° 27'*
Chart HO 741

Locality:

Depth: *35 M.* Bottom: *gy. md.* Sample: *n*

Wind: Direction, *ESE* Force, *2*
Air 42 = 56

Sea: *Smooth* Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>0</i>	<i>1.2.4</i>	<i>1.30</i>	<i>3.</i>	<i>-0.04</i>	<i>1.26</i>	<i>✓</i>	<i>2</i>
<i>20</i>	<i>" "</i>	<i>1.30</i>	<i>3.</i>	<i>-0.04</i>	<i>1.26</i>	<i>✓</i>	<i>2</i>
<i>40</i>	<i>" "</i>	<i>1.32</i>	<i>2.</i>	<i>-0.04</i>	<i>1.28</i>	<i>✓</i>	<i>2</i>
<i>55</i>	<i>" "</i>	<i>1.23</i>	<i>3.</i>	<i>-0.04</i>	<i>1.19</i>	<i>✓</i>	<i>4</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 meter, vertical	90-0	1:20	1:10	
	0-0	1:10	1:00	
	0-0	1:00	0:50	
	0-0	0:50	0:40	
	0-0	0:40	0:30	
	0-0	0:30	0:20	
	0-0	0:20	0:10	
	0-0	0:10	0:00	

11-5314

NOTES

- Vertical, very sandy, but saved.
 120 - 100m. ish ✓
 1/2 m. on surf - some Calanus,
 2 juv. fish
 9. - 0 - 2m. and Calanus
 Hyalodora capitata
 1 flounder, 1 ft. long Hippolytoida
 1 juv. fish

Station No. *0-20061* Date: *Dec 15* 191*0*

Hour: *1:30* A . M. to *3:00* A . M.

Position: Lat. *43° 00'* Long. *70° 11'*
Chart HO 941

Locality:

Depth: *175* Bottom: *gy M* Sample: *1*

Wind: Direction, *SE* Force, *3*
Air 43 = 6.1

Sea: *choppy* Sky: *b, c*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>0</i>	<i>Tycos "A"</i>	<i>33.8</i>	<i>—</i>	<i>+0.5</i>	<i>1.3</i>	<i>✓</i>	
<i>20</i>	<i>N.Z. 20872</i>	<i>.92</i>	<i>4.</i>	<i>-.07</i>	<i>0.85</i>	<i>✓</i>	<i>5</i>
<i>40</i>	<i>" 20873</i>	<i>1.40</i>	<i>3.8</i>	<i>-.07</i>	<i>1.33</i>	<i>✓</i>	<i>2</i>
<i>100</i>	<i>" 20875</i>	<i>2.0</i>	<i>3.5</i>	<i>-.04</i>	<i>1.96</i>	<i>✓</i>	<i>6</i>
<i>175</i>	<i>" 20874</i>	<i>4.30</i>	<i>3.5</i>	<i>-.04</i>	<i>4.26</i>	<i>✓</i>	<i>4</i>
<i>165</i>	<i>" 20875</i>	<i>4.30</i>	<i>2.5</i>	<i>-.01</i>	<i>4.29</i>		<i>6</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth m.	TIME		Speed
		Down	Up	
Vertical net	175-0	AM		
Horizontal -	160-0	2:55	3:00	
Surface #20	0	"	"	
" 1/2 m	0	"	"	

11-5314

NOTES

1. The two largest specimens
of the same of correctness

Vertical, sandy

deep haul back.

While station in position,
light camera.

Station No. *C-20063* Date: *June 15* 191*20*

Hour: *8:30* A. M. to *9:00* A. M.

Position: Lat. *42° 26'* Long. *70° 42' 30"*
Chart 117 441

Locality:

Depth: *50 M* Bottom: *fine M. s. sh.* Sample: *—*

Wind: Direction, *SE* Force, *3*

Sea: *Moderate* Sky: *Clear* *Air 43 = 6.1*

TEMPERATURES

Depth meters	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	<i>B. S. #</i>						<i>GB *</i>
<i>0</i>	<i>Tycos "A"</i>	<i>32.9</i>	<i>—</i>	<i>+0.5</i>	<i>0.78</i>	<i>✓</i>	
<i>25</i>	<i>" 2087A "</i>	<i>.60</i>	<i>4.1</i>	<i>-0.5</i>	<i>0.55</i>	<i>✓</i>	<i>6</i>
<i>50</i>	<i>" 2087A "</i>	<i>.45</i>	<i>4.5</i>	<i>-1.2</i>	<i>0.33</i>	<i>✓</i>	<i>4.</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
1/2 meter vertical	50 - 5	11:11		
dump, net open ^{vertical} 40m	30 - 0	9:11	9:20	
#20	Surface			15 min
1/2 meter	"	"		1/2 hour
"	"			

11-5314

NOTES

Vertical - 1/2 hr. Time -
Several *Bluntnose* &
Beard - almost nothing else.

30 - 0, 1/2 pair *Bluntnose*
large & small. few small -
some *Callinectes* etc.

Vertical Net. 1/2 hr. Time. Several

Station No. *10-20062* Date: *March 1* 19*20*

Hour: *1:30* A. M. to *3:40* A. M.

Position: Lat. *42° 06' N.* Long. *68° 10' W.*
Chart H O 941

Locality:

Depth: *200* Bottom: *gy. m.* Sample: *100*

Wind: Direction, *S x E* Force, *1*

Sea: *Smooth* Sky: *Clear*

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>B. & S.</i>	<i>38.0</i>	<i>-</i>	<i>0.00</i>	<i>38.0</i>	<i>✓</i>	<i>W. & A.</i>
<i>15</i>	<i>B. & S.</i>	<i>3.50</i>	<i>4.</i>	<i>-.01</i>	<i>3.49</i>		
<i>35</i>	<i>B. & S.</i>	<i>3.20</i>	<i>6.</i>	<i>-.11</i>	<i>3.09</i>		
<i>45</i>	<i>B. & S.</i>	<i>3.180</i>	<i>6.</i>	<i>-.12</i>	<i>3.06</i>		
<i>140</i>	<i>B. & S.</i>	<i>4.33</i>	<i>4.</i>	<i>-.03</i>	<i>4.30</i>		
<i>190</i>	<i>B. & S.</i>	<i>4.70</i>	<i>6.</i>	<i>-.07</i>	<i>4.63</i>		
<i>190</i>	<i>B. & S.</i>	<i>4.70</i>	<i>4.</i>	<i>-.05</i>	<i>4.65</i>		

Alkalinity - Surface 7.9
" 190 meters 7.9.

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
1/2 m vertical	190-0	AM		
Chasing 2000 ft 12° touched bottom;	2000 ft 190-25	3.1	3.40	

11-5314

NOTES

Net used as usually, but used

~~Net used as usually, but used~~

Net

Station No. *0-200-2-1* Date: *June 1, 1910*

Hour: *10:45* . M. to *12:15* . M.

Position: Lat. *42° 20' 15"* Long. *67° 13' 45"*
Chart H O 941

Locality:

Depth: *175* fathoms Bottom: *Green mud.* Sample: *-*
315 meters

Wind: Direction, *SE* Force, *1*

Sea: *Smooth* Sky: *Clear* *Air 48 = 8.9*

TEMPERATURES

Depth meters	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	<i>Tyco A</i>	<i>2.58</i>		<i>10.5</i>	<i>3.50</i>	✓	<i>212</i>
20	<i>N.T. 215-15</i>	<i>2.80</i>	<i>3.5</i>	<i>0</i>	<i>2.80</i>	✓	
40	<i>" 208-42</i>	<i>2.82</i>	<i>5.</i>	<i>-.09</i>	<i>2.73</i>	✓	<i>J</i>
100	<i>" 215-15</i>	<i>3.10</i>		<i>-.01</i>	<i>3.09</i>		
150	<i>" 208-42</i>	<i>4.10</i>	<i>5.0</i>	<i>-.10</i>	<i>4.26</i>		
	<i>" 208-42</i>	<i>4.41</i>	<i>6.5</i>	<i>-.16</i>	<i>4.32</i>		
	<i>" 208-42</i>	<i>4.30</i>	<i>6.5</i>	<i>-.06</i>	<i>4.24</i>		
330	<i>" 208-42</i>	<i>4.10</i>	<i>7</i>	<i>-.11</i>	<i>4.02</i>		
<i>Surface</i>							<i>7.9</i>
<i>" 330 m</i>							<i>8.0</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
1st haul	340-0	AM		
2nd haul V40-50	330 out, 11:25 11:45 X	11:25	12:45/1	
1/2 m	0	1:40	1:50	1.0
# 20	1	"	"	
		PM		
Open haul, net closing at 11:45	125-0	12:45	1:15	
∠ 30°				

11-5314

NOTES

Imp. net - med. micro
 vertical - scanty saved
 closing, zooplankton, one
 large Siphonophore, good
 collection - Stephanosoma sp?
 Few copepods etc - all saved in jar.
 - Intermediate haul, Siphonophore
 Scanty, all saved.

Station No. *1-200* Date: *June 11* 191*20*

Hour: *5:15* V . M. to *6:25* . M.

Position: Lat. *41° 55'* Long. *66° 53'*
Chart #0 941

Locality: *N.E. 9 miles Bank.*

Depth: *38 fath.* Bottom: *-* Sample: *-*

Wind: Direction, *S x W* Force, *3*

Sea: *Smooth* Sky: *Air 47 = 8.3*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>K...</i>						<i>6 K</i>
<i>5</i>	<i>...</i>	<i>3.10</i>	<i>6</i>	<i>-.12</i>	<i>2.97</i>		
<i>10</i>	<i>...</i>	<i>3.10</i>	<i>5.5</i>	<i>-.05</i>	<i>2.95</i>		
<i>20</i>	<i>...</i>	<i>2.85</i>	<i>6</i>	<i>-.12</i>	<i>2.73</i>		
<i>Surface by surface</i>							<i>7.9</i>
<i>" 80 meters</i>							<i>7.9</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11-5314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
Vertical net	80-0	PM		
Net 6: net Current 75 m, $\angle 40-45^\circ$	75-0 (40-0)	5:14	6:11	
#20 1/2 m	0	5:11	6:11	

11-5314

NOTES

Vertical - Some columns & substrate.
 Net 6 - small haul.
 #20 - rather rich haul.

A	Scummed, $41^\circ 59'$, $\times 67^\circ 01'$	1207 alt
B.	$41^\circ 59'$ $\times 66^\circ 58'$	115 alt
C.	$41^\circ 57'$ $\times 66^\circ 55'$	70 alt
D.	Station, $41^\circ 55'$, $\times 66^\circ 53'$	50 alt

Station No. 191-10 Date: Jan 11 1910

Hour: 7:00 P.M. to 10:15 P.M. (midnight)

Position: Lat. 41° 34' Long. 66° 45' Chart 40 741

Locality:

Depth: 75 meters Bottom: — Sample: —

Wind: Direction, SxW Force, 2 Air 47 = 8.3

Sea: Smooth Sky: Cloudy

TEMPERATURES

Depth meters	Thermometer— Make and No. B.S.A.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used GB
C	Tycoo A.	37.5			3.33		
20	"	2.90	5.5	.12	2.78		
40	"	2.78	5	.10	2.68		
70	"	2.62	5	.10	2.52		
Alcoholity - Comparison					7.7		
" 70 meters					7.7		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 hr vertical	70 -	PM		
Trawl (bottom 70m)	60 - 1	4:00	4:20	
#20	{ surface	7:15	7:05	
1/2 hr.				
other haul	1 hour			

11-5314

NOTES

Vertical - security - 2m cat.
1 suchinella

No fish hauls in all net -
many large fish eggs.

Trawl

Catch - 500 - 1000 lb. Crinoids
Crisis torn, mostly broken
over the large Crinoids
No Echinoderm (Hippocampus)
Many large shells -

Sea urchins

Penaeus, Limanda, other
common bottom fish

Approaching the station from
the north, passing several
islands
at station taking results

passing several up/c
females opened.

Station No. 255

Date: Dec 1 1916

1916

Hour: 11:55 A. M. to 12:15 A. M.

Position: Lat. 31° 15' N Long. 66° 21' W

Chart 40 901

Locality:

Depth: 95 meters Bottom: — Sample: —

Wind: Direction, SW Force, 2

Sea: — Sky: —

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	7402 A.	3.37		0.00	3.37		GB
20	" 20875	3.20	6.	-0.13	3.07		
40	" 20875	2.90	6.	-0.07	2.83	✓	6
90	" 20874	2.90	6.	-0.10	2.80	✓	6
110	" 7402 A.	2.8			2.8		
120	" 7402 A.	2.9			2.9		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 m. vertical	10-0	11:30		
Water net (cable net 90 m)	10-0	3:10	11:10	
1/2 meter H 20	}	11:10	11:10	

11-5314

NOTES

20 net - 10 m. net, 10 m. net
 Small incense some eggs.
 1/2 m. surface - Fair some Limacina
 Many eggs.
 Vertical. Fair. Few fish eggs.

1000 1000 1000 1000
 1000 1000 1000 1000

Station No. *C 20068* Date: *March 12* 191*20*Hour: *9:00* . M. to *8* . M.Position: Lat. *11° 02' N* Long. *66° 20'*
Chart HO 741

Locality:

Depth: *191 m* Bottom: *—* Sample: *—*Wind: Direction, *SW* Force, *2*
Air 49 = 9.4

Sea: Sky:

TEMPERATURES

Depth meters	Thermometer— Make and No. BS. #	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tycos A.	37.5		+0.5	3.33	✓	6.15
20	NZ 20872	3.04	7	-.11	2.90	✓	5
40	NZ 20873	3.06	6.5	-.14	2.92	✓	2
100	NZ 20875	3.62	6	-.06	3.56	✓	6
150	NZ 20874	4.48	6	-.08	4.40	✓	4
190	NZ 20874	4.99	5.5	-.07	4.92	✓	4
Alkalinity, <i>7.8</i>							
<i>150 m. 7.9</i>							
<i>190 m. 7.9</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Vertical net, $\frac{1}{2}$ m.	150-0	7:10		
Mixed (cable net 150 m)		7:15	7:50	
$\frac{1}{2}$ m. } # 2	0	8:05	8:15	

11-5314

NOTES

all net, many eggs
Tadpoles.

Station No. *C 20069* Date: *March 12* 19*20*

Hour: *4-30* A. M. to *5* . M.

Position: Lat. *40° 47' N* Long. *66° 08' W*
chart 40741

Locality:

Depth: *0* meters Bottom: *—* Sample: *—*

Wind: Direction, *SSW* Force, *3*
air T. 52° ± 11.1
Sea: *—* Sky: *cloudy*

TEMPERATURES

Depth meters	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	<i>B.S. #</i>				<i>35.0</i>		<i>613^u</i>
<i>2</i>	<i>11499</i>	<i>7.10</i>			<i>7.10</i>	<i>V</i>	
<i>50</i>	<i>NZ 20572</i>	<i>7.10</i>		<i>-0.04</i>	<i>7.06</i>		
<i>100</i>	<i>R 11499</i>	<i>7.10</i>		<i>-0.04</i>	<i>7.06</i>		
<i>150</i>	<i>H2 20572</i>	<i>7.10</i>		<i>-0.04</i>	<i>7.06</i>	<i>V</i>	
<i>200</i>	<i>R 11499</i>	<i>7.10</i>		<i>-0.02</i>	<i>7.08</i>	<i>V</i>	
<i>300</i>	<i>H2 20572</i>	<i>7.10</i>		<i>-0.07</i>	<i>7.03</i>		
<i>400</i>	<i>NZ 20572</i>	<i>7.10</i>		<i>-0.08</i>	<i>7.02</i>		
<i>500</i>	<i>H2 20572</i>	<i>7.10</i>		<i>-0.09</i>	<i>7.01</i>		
<i>1000</i>	<i>H2 20574</i>	<i>7.10</i>		<i>-0.11</i>	<i>6.99</i>		
					<i>7.9</i>		
					<i>7.8</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11-5314

Bottle No. 10 - Reck. B.S. No. 11499.

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
doing open	2000			
meter	5000			
# 20	cup			
1/2 m				

11—510

NOTES

Thin medium in surface water.
Depth 1000 -

very characteristic
very rare
Red Grass -
Brick red -
100 alginia -
Leaves Salmon
Pink & Phaeocystis
Large red - 2
Phaeocystis -
small

At 7:00 pm., inverte to 20070, 1/2 meter net was put over and towed 20 min.; ship slowed down.

Trinity, 1894
me for the first time.

Station No. *C-2007*Date: *Dec 14*191*0*Hour: *2:00* A.M. to *3:09* A.M.Position: Lat. *42-03*Long. *66-13**Chart H O 741*

Locality:

Depth: *1000*Bottom: *—*

Sample:

Wind: Direction, *SW*Force, *4**Air 49 = 9.4*Sea: *Rough*

Sky:

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>0</i>	<i>73102A</i>	<i>3.70</i>		<i>0.0</i>	<i>3.65</i>	<i>1</i>	<i>2</i>
<i>20</i>	<i>422073</i>	<i>2.91</i>	<i>6.5</i>	<i>-0.2</i>	<i>2.79</i>	<i>1</i>	<i>2</i>
<i>40</i>	<i>4720875</i>	<i>2.80</i>	<i>6</i>	<i>-0.6</i>	<i>2.74</i>	<i>1</i>	<i>6</i>
<i>60</i>	<i>4220874</i>	<i>2.69</i>	<i>6</i>	<i>-0.10</i>	<i>2.59</i>	<i>1</i>	<i>4</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>1/2 meter</i>	<i>Surf</i>	<i>1.10</i>	<i>1.15</i>	

11-5314

NOTES

100 yds to mid large net

Station No. *C 20071* Date: *March 13* 191*1*

Hour: *5:00* A.. M. to *6:30* . M.

Position: Lat. *42-14* Long. *66-12*
Chart 1107-1

Locality:

Depth: *225 m* Bottom: *—* Sample: *—*

Wind: Direction, *SW* Force, *3*
Air 50 = 100

Sea: *Rough.* Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>0</i>	<i>L.S.P.</i>						
<i>0</i>	<i>R 11499</i>	<i>37.5</i>		<i>0.0</i>	<i>3.33</i>	<i>✓</i>	
<i>20</i>	<i>R 11499</i>	<i>3.00</i>	<i>9.</i>	<i>-1.0</i>	<i>2.90</i>	<i>✓</i>	<i>1</i>
<i>40</i>	<i>N 221515</i>	<i>3.20</i>	<i>7</i>	<i>-0.5</i>	<i>3.15</i>	<i>✓</i>	<i>1</i>
<i>100</i>	<i>N 221513</i>	<i>6.63</i>	<i>7</i>	<i>-1.5</i>	<i>6.18</i>	<i>✓</i>	<i>2</i>
<i>150</i>	<i>N 221515</i>	<i>6.90</i>	<i>6</i>	<i>-1.5</i>	<i>6.55</i>	<i>✓</i>	<i>2</i>
<i>175</i>		<i>5.71</i>	<i>4</i>				
<i>215</i>	<i>N 221515</i>	<i>6.55</i>	<i>5.5</i>	<i>-0.4</i>	<i>6.54</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
2 m. 400 (7.45) 100 m. 25	100 m.			
Bottom 420	100 m.			
100 m.				

11-5314

NOTES

100 m. haul - very good
 1 Blue.
 Crustaceans - very scanty

Station No. _____

Date:

191.2

Hour:

. M. to

7:3

. M.

Position: Lat.

Long.

15085

Locality:

Depth:

Bottom:

Sample:

Wind: Direction.

Force.

e. 2.

Sea:

Sky:

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tycos A	35.0		+0.5	1.95	✓	
10	NZ 20713	2.00	6	-1.2	1.8	✓	2
20	NZ 20711	2.20	5	-1.6	2.14	✓	6
90	NZ 20712	3.50	5.5	-1.0	3.00	✓	5
<hr/>							
Surface					7.95		
"		90 m			8.1		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>1/2 meter +</i>	<i>75-c</i>			

11-5514

NOTES

Station No. 5200 Date: June 1 1920

Hour: 12:57 P. M. to 1:29 P. M.

Position: Lat. $43^{\circ} 30' N$ Long. $65^{\circ} 06' W$
chart 80 741

Locality:

Depth: 75 meters Bottom: Sample: No.

Wind: Direction, NW Force, 5-6

Sea: B. S. Sky: clear

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	B.S.	35.5		0.5	2.22	✓	
10 fms		2.20	5.5	-10	2.10	✓	
15 "		2.14	3.5	-0.4	2.10	✓	
20 fms		2.02	3	0	2.02	✓	
No. 21 only, surface, 7.7.							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 m vertical	70-0			
#20 } 1/2 m.	Surface	7:45		
1/2 m.	70-0	1:45		

11-5314

NOTES

Surface net, very scanty.

70-0 - ~~practically nothing~~ -
very little - but saved.

Station No. *C-20074* Date: *March, 19* 19*20*

Hour: *10:00* A. M. to *11:00* . M.

Position: Lat. *43° 18' N* Long. *64° 58' W*
chart HO 941

Locality: *H*

Depth: *160 m* Bottom: *—* Sample: *—*

Wind: Direction, *NNW* Force, *4* Air-*39 = 3.9*

Sea: *—* Sky: *Clear*

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>B.S. #</i>						<i>GB</i>
<i>0</i>	<i>Thers "A"</i>	<i>34.0</i>		<i>+0.5</i>	<i>1.39</i>	<i>✓</i>	
<i>20</i>	<i>4.23575</i>	<i>1.20</i>	<i>0.5</i>	<i>+0.4</i>	<i>1.24</i>	<i>✓</i>	<i>8</i>
<i>40</i>	<i>" 20872</i>	<i>1.70</i>	<i>0.5</i>	<i>0</i>	<i>1.10</i>	<i>✓</i>	
<i>100</i>	<i>" 20873</i>	<i>2.90</i>	<i>1.</i>	<i>-0.4</i>	<i>2.86</i>	<i>✓</i>	<i>2</i>
<i>150</i>	<i>R. 11.449</i>	<i>4.60</i>	<i>0.5</i>	<i>+0.8</i>	<i>4.68</i>	<i>✓</i>	<i>10</i>
<i>Altimeter Surface 7.9</i>							
<i>" 150 m. 7.9</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
	150-0	1		
1/2 m vertical	150-0			
2 m vertical	150-0			
# 20 } 1/2 m	Surface			

11-5314

NOTES

vertical scanty - but more
than last sta. Calanus chiefly

Station No. *176-2000* Date: *June 19* 191*20*
 Hour: *28* P. M. to *3:47* P. M.

Position: Lat. *42° 55' N* Long. *64° 36' W*
Chart 40 Tell

Locality:

Depth: *9.5* Bottom: *—* Sample: *—*

Wind: Direction, *NNW* Force, *4-5*
Air 39 = 3.9

Sea: *—* Sky: *—*

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>B.S.</i>						<i>20</i>
<i>5</i>	<i>Tycos A</i>	<i>2.5</i>		<i>+0.5</i>	<i>0.56</i>		
<i>25</i>	<i>1122172</i>	<i>0.30</i>	<i>2</i>	<i>-0.3</i>	<i>0.77</i>		<i>5</i>
<i>20</i>	<i>" 11472</i>	<i>0.47</i>	<i>2.5</i>	<i>-0.4</i>	<i>0.12</i>		<i>2</i>
<i>90</i>	<i>11449</i>	<i>3.75</i>	<i>1.0</i>	<i>+0.6</i>	<i>3.70</i>		<i>1</i>
<i>Abundance - surface 5.</i>							
<i>90 m. 8.</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Vertical net	90-0	4:20	°	
Net	80-0	3:12	3:46	
1/2 meter net	Surface			
20 net				

11-5314

NOTES

80-0- Swarm of large
Pterodroma - White etc.

20 net - Two birds.

Station No. 3207 Date: June 19 1910

Hour: 126 . M. to 8:19 . M.

Position: Lat. 42° 22' Long. 64° 25'
Chart 1-10-100

Locality:

Depth: 250 Bottom: Sample:

Wind: Direction, W x N Force, 3 Air 37 = 2.8

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	125						62#
0	cyers "A"	8.35		+0.5	1.28	✓	
20	NZ 2087	1.00	1.0	-.01	5.99	✓	6
50	" 2087	1.25	1.0	-.01	1.24	✓	11
100	" 2157	7.70	2.5	-.01	7.39	✓	8
150	" 2087	8.60	2.5	+0.1	8.61	✓	5
200	" 2087	6.27	2.5	-.01	6.26	✓	2
250	R. 11497	5.20	1.0	+0.8	5.28	✓	10
100 fathoms							
150	NZ 2087	8.80	3.5	+1.2	8.92		4
250	NZ 2087	5.55	3.0	-.02	5.53		6

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
1/2 m, vertical	2500	12:17		
# 20 } surface.			1/2 hour	
Surface net - 1000	2500		L	1.5
Surface net - 1000	1400		L	1.5

11-5314

NOTES

vertical haul,
too small to measure
not saved.

20 net - fair.

Both deep nets - rich catches
of small euphausiids -
1 *Paragomus* *gomei*
1 *Mesocyclops* (?)
2 *Mysticellus*
Euphausia - little of *tricoloratus*
Clione - for *euchirella*
Supply etc.

Station No. 7000 47

Date: Mar 10 1910

Hour: 11:19

M. to 12:30 A

M. 20

Position: Lat. 42° 24'

Long. 64° 19'

Locality:

Depth: 1000 meters

Bottom: —

Sample: —

Wind: Direction, WXS

Force, 1

Sea: Smooth

Sky: Clear

TEMPERATURES

Depth meters	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
5	1900A	1.67		+0.5	1.67	✓	
45	"	1.26	1.5	1.03	1.29	✓	
60	"	5.82	2.	0	5.82	✓	
150	"	6.08	4.5	-0.03	6.05	✓	6.
200	"	7.94	3°	0.01	7.94	✓	2.
300	"	6.29	3°	7.03	6.32	✓	1.
550	"	4.26	3.5	-0.03	4.23	✓	
1100	"	3.88	3.	1.02	3.90	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down PM	Up	
1000 - 0	500 - 0	11.00	12.00	AM
1000 - 0	500 - 0	"	"	
Surface # 20	0	11.05	11.25	PM
" 1/2 meter	0	"	"	

11-5314

NOTES

1/2 m. Surface - some large Cephalopods,
#20 - rain

1000 net - 1500 m. out L 60°
1000 net 1000 out L 60°

500 - 0 - Typical deep sea

Black fish - red brown
large Squid - several
Giant Squid (Todarodes)
Cephalopods - Sclerozooids

500 - 0 - Black fish -
Red brown - large
Squid (Todarodes)

Black - brown - Sclerozooids,
Pteropods,
Sclerozooids.

Station No. *C 20078*Date: *1/11/1910*191*0*Hour: *3 39* . M. to *4 10* . M.Position: Lat. *42° 58'* Long. *65° 41' W*
Chart HC 941

Locality:

Depth: ~~*170 fath*~~ Bottom: *170 m* Sample:Wind: Direction, *E* Force, *6*
Air 36 = 2.2
Sea: *very light* Sky: *partly cloudy*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>0</i>	<i>"Typos" A</i>	<i>35°</i>		<i>+0.5</i>	<i>1.95</i>	<i>✓</i>	<i>GP</i>
<i>20</i>	<i>NZ 20874</i>	<i>1.90</i>	<i>3.5</i>	<i>-.08</i>	<i>1.82</i>	<i>✓</i>	<i>4</i>
<i>40</i>	<i>NZ 20873</i>	<i>2.20</i>	<i>3.5</i>	<i>-.08</i>	<i>2.12</i>	<i>✓</i>	<i>2</i>
<i>100</i>	<i>NZ 20872</i>	<i>2.75</i>	<i>4.5</i>	<i>-.08</i>	<i>2.67</i>	<i>✓</i>	<i>5</i>
<i>165</i>	<i>NZ 21575</i>	<i>4.60</i>	<i>8.</i>	<i>-.01</i>	<i>4.59</i>	<i>✓</i>	<i>5</i>
<i>Relatively uniform.</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth <i>Net</i>	TIME		Speed
		Down	Up	
$\frac{1}{2}$ Net	110	2:49:52		
$\frac{1}{2}$ 20 } $\frac{1}{2}$ 20 } ———	Cope			Half hour

11-5014

NOTES

Very scanty catches
in all nets.

18.70
12.60

getting up. E gale with
snow

3 sails, 20 man for the
etc to 2 in 79, Capt 11 Am,
temp 25°.

(Quaternaries, Tamps. In
previous 5 or 6 hours
not trustworthy.

Station No. *200-9* Date: *June 2* 191*0*

Hour: *3:35* P. M. to *4:00* P. M.

Position: Lat. *44° 21'* Long. *66° 37'*
Chart 40 911

Locality:

Depth: *215* Bottom: *red clay* Sample: *9*

Wind: Direction, *WSW* Force, *2* Air *46 = 11.2*

Sea: *smooth* Sky: *clear*

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>0</i>	<i>Tyco "A"</i>	<i>36"</i>	<i>—</i>	<i>+0.5</i>	<i>2.50</i>	<i>✓</i>	<i>6B</i>
<i>10</i>	<i>N. 11200</i>	<i>2.28</i>	<i>3.</i>	<i>-0.6</i>	<i>2.14</i>	<i>✓</i>	<i>1</i>
<i>10</i>	<i>R. 11200</i>	<i>2.17</i>	<i>4.</i>	<i>-0.2</i>	<i>2.17</i>	<i>✓</i>	<i>1</i>
<i>10</i>	<i>N. 200</i>	<i>2.66</i>	<i>5.</i>	<i>-0.11</i>	<i>2.55</i>	<i>✓</i>	<i>2</i>
<i>10</i>	<i>" 500</i>	<i>3.40</i>	<i>4.5</i>	<i>-0.8</i>	<i>2.52</i>	<i>✓</i>	<i>5</i>
<i>00</i>	<i>" 11200</i>	<i>4.30</i>	<i>3.5</i>	<i>-0.1</i>	<i>4.20</i>	<i>✓</i>	<i>8</i>
<i>Chlorinity surface 7.7</i>							
<i>" 200 7.9</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1.	1:25		
Clear ...	170	2:09	2:15	
...	...	1:25	1:25	
...	1:00	1:10	

11-5314

NOTES

Station No.

Date:

191

Hour:

Position: Lat.

Long.

Locality:

Depth:

Bottom:

Sample:

Wind: Direction.

Force. 2

Sea:

Sky:

TEMPERATURES

Depth meters	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Geos' A.	34.0	—	+0.5	1.39	✓	2B4
50	" 21575	1.31	3.	-0.5	1.26	✓	
60	" 21575	1.42	2.5	+0.1	1.43	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

Universal aeropya visible

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 meter vertical	20-0	PA		
1/2 meter vertical	30-0	8:42	9:14	
1/2 m # 70	0	8:40	9:10	

11-5314

NOTES

vertical - very empty.
 meter net - 1 small - mostly
 Pleurobrachia, Sagittae

Station No. 1-20051 Date: Jan 27 1910

Hour: 11:10 P.M. to 1:15 A.M.

Position: Lat. 44° 08' Long. 67° 36'
Chart 110 111

Locality:

Depth: 206 m. Bottom: Sample: -

Wind: Direction, W N S Force, 2

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	B.S. #						
0	" 4"	25.0		1.05	1.95	✓	
2	R 11499	1.80	4.5	-.04	1.76	✓	
10	N 2208	1.71	4	-.08	1.63	✓	
100	" 208	2.33	4	-.07	2.26	✓	
150	" 208	5.10	4	-.03	5.07	✓	
200	" 215	5.40	3	-.01	5.39	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

11-5314

Force of tide, direction of surface still visible.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
1/2 m. vertical		PM	4:15	
1/2 m. vertical 20-25' 170-180		11:59	12:15	
1/2 m. #70	0	11:55	12:30	
1/2 m. vertical 240	160-0	AM 12:05	1:15	

11-5314

NOTES

Vertical - Fair - Some *Hygrophysa*
Some *Calanus*.

20 - Some *Calanus*, little *Hygrophysa*

1/2 m., surface - Fair *Calanus*,
large *Hygrophysa*.

160-0 haul - About 15 *Hygrophysa*

large *Hygrophysa*,
small *Hygrophysa* - small
amount of *Calanus*.

Station No. *11554* Date: *June 22* 191*0*

Hour: *1:50* . M. to *1:13* . M.

Position: Lat. *11° 54' N* Long. *66° 53' W*
Chart 1167

Locality:

Depth: *25* Bottom: *—* Sample: *—*

Wind: Direction, *WXS* Force, *3*
11-44 = 6.67

Sea: *Smooth* Sky: *—*

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>B.S. #</i>						
<i>0</i>	<i>—</i>	<i>36.3</i>	<i>—</i>	<i>1.1</i>	<i>2.67</i>	<i>✓</i>	
<i>20</i>	<i>R. 11498</i>	<i>2.35</i>	<i>3.</i>	<i>0</i>	<i>2.31</i>	<i>✓</i>	<i>10</i>
<i>50</i>	<i>N. 2208</i>	<i>2.59</i>	<i>4.</i>	<i>- .07</i>	<i>2.52</i>	<i>✓</i>	
<i>100</i>	<i>" 20874</i>	<i>3.40</i>	<i>3.5</i>	<i>- .05</i>	<i>3.35</i>	<i>✓</i>	
<i>Altimeter sample 22</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth meter	TIME		Speed
		Down	Up	
1/2 meter	120-0	AM		
1 meter 110 cm	440	5:28	6:12	
4 m	0	5:28	6:13	
1/2 meter				

11—5314

NOTES

Political - for example in America
not saved!

Simplex Lamb, *Tris.*

Station No. *10-20083* Date: *June 15 1910*

Hour: *9:04* . M. to *10:07* A. M.

Position: Lat. *43° 41' N* Long. *66° 21'*
Chart 100-401

Locality:

Depth: *68 meters* Bottom: *—* Sample: *—*

Wind: Direction, *SW* Force, *3*
Air 45 = 7.22

Sea: *Smooth* Sky: *Clear*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>meters</i>	<i>B.S. 4</i>						<i>6/1</i>
<i>Surf</i>	<i>R. 11490</i>	<i>35.1</i>	<i>—</i>	<i>+0.05</i>	<i>1.95</i>	<i>✓</i>	
<i>20</i>	<i>R. 11490</i>	<i>1.58</i>	<i>4</i>	<i>-.05</i>	<i>1.53</i>	<i>✓</i>	<i>1</i>
<i>40</i>	<i>H. 2.202</i>	<i>1.61</i>	<i>4</i>	<i>-.07</i>	<i>1.54</i>	<i>✓</i>	<i>5</i>
<i>65</i>	<i>" 202</i>	<i>2.10</i>	<i>3</i>	<i>-.06</i>	<i>2.04</i>	<i>✓</i>	<i>4</i>
<i>1.5th unit, Surfer, 7.8</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
Vertical 1 1/2 m	65-0	AET		
20 net - 25-40'	0	9:30	10:06	
1/2 m } # 20 }	0	9:30	10:06	

11-5314

NOTES

vertical - scanty - saved.
 meter net - 1 quart
 Pleurobrachia - some
 Siphon - not much else.
 Sample saved.
 20 net - scanty.

B-20081

100

1915

Hour: 2.05

. M. to . M.

Position: Lat.

Position: Lat. *43° 18'*
Chail

Long.

Position: Lat. $43^{\circ}18'N$ Long. $66^{\circ}09'W$.
Chart 500 1106

Locality:

Depth: 55 fathoms Bottom:

Bottom:

Sample:

Wind: Direction, S W

Force,

Sea:

Sea: Blue

Skv:

TEMPERATURES

Depth meters	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	S.S. #						
0	2.2. 15, 3573.	—	—	1.14	2.11	✓	
20	H.2.2087	1.80	3	-.06	1.74	✓	2
50	R.11409	1.81	2	0	1.81	✓	10

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Vertical 1/2 meter	9-0m		PM	
1/2 m. net - Sam 228-40	110-0	2:27	3:00	
1/2 m. net - #20	110-0	2:27	2:57	

11-5314

NOTES

Vertical - too scanty for
measures not saved.

#20 net has much fine
Sargassum - clumped up by the
tide.

1/2 m. net - very scanty.
Few *Pluteus*, *Caprellae*,
Idotea, *Corbula*, etc.
Very few *Cyphopoda*.
Like bottom - some sand &
sea weed sample taken.

Station No. *C-2008-* Date: *June 22* 191*2*
 Hour: *5:15* P. M. to *6:08* P. M.

Position: Lat. *43-17* Long. *66° 33'*
chart C+GS 1106

Locality:

Depth: *7* Bottom: *—* Sample: *—*

Wind: Direction, *SSW* Force, *4-5*
Air 48 = 5.69

Sea: *Choppy* Sky: *Clear*

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>1000</i>	<i>B.S. #</i>						<i>GP #</i>
<i>0</i>	<i>"1400" A</i>	<i>2.60</i>	<i>—</i>	<i>+0.5</i>	<i>2.10</i>	<i>✓</i>	
<i>3</i>	<i>R11499</i>	<i>2.40</i>	<i>3</i>	<i>0</i>	<i>2.40</i>	<i>✓</i>	<i>10</i>
<i>—</i>	<i>A2 24873</i>	<i>2.51</i>	<i>9.5</i>	<i>-0.8</i>	<i>2.13</i>	<i>✓</i>	<i>2</i>
<i>Alt. temp. sampled 7.2</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11-5314

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Melnet, bottom 70m - 20	60-0	5:25	6:05	
1/2 net	5	5:35	6:05	
# 20				

11-5314

NOTES

20 net - Sand.

clayey sand carried by tide

Melnet - Scanty

Few *Plumochia* - small
Amph. debris from bottom -
Little else. All saved.

1/2 net on surface.

Scanty. Few *Plumochia*

Station No. *1000* Date: *March 23* 19*20*

Hour: *9:00* P. M. to *11:20* P. M.

Position: Lat. *43° 10' 30"* Long. *67° 12'*
Chart 1006

Locality:

Depth: *176 m.* Bottom: *—* Sample: *—*

Wind: Direction, *W x S* Force, *3*

Sea: *Choppy* Sky: *Air 47 = 8.33*

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>B.S.</i>						<i>612</i>
<i>0</i>	<i>"A"</i>	<i>38°</i>	<i>—</i>	<i>7.05</i>	<i>3.61</i>		
<i>20</i>	<i>R11499</i>	<i>3.40</i>	<i>4.</i>	<i>0</i>	<i>3.40</i>	<i>✓</i>	<i>10</i>
<i>11</i>	<i>H210013</i>	<i>3.51</i>	<i>5.</i>	<i>.12</i>	<i>3.39</i>	<i>✓</i>	
<i>10</i>	<i>20912</i>	<i>4.30</i>	<i>5.</i>	<i>-.09</i>	<i>4.21</i>	<i>✓</i>	
<i>176</i>	<i>21810</i>	<i>5.05</i>	<i>4.5.</i>	<i>-.01</i>	<i>5.04</i>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth <i>met</i>	TIME		Speed
		Down	Up	
Vertical $\frac{1}{2}$ m	170-0	PM		
20 m out 170, $\angle 30^\circ$	150-0	10:15	11:20	
$\frac{1}{2}$ m = 20	0	10:15	11:20	

11-5314

NOTES

vertical haul - small fish
enough to eat - 1 large shrimp.

20 m. air haul.

Water net - very sandy.

Several large shrimp - 3 per
net - *Stomatopoda*.

1/2 m. haul - white fish
the net.

Station No. 11-20087 Date: June 24 1910

Hour: 3:50 P. M. to 5:30 P. M.

Position: Lat. 42° 37' N. Long. 110° 7' W.
Chart C+65 1106

Locality:

Depth: 350 Bottom: gy. sd Sample: 1

Wind: Direction, Sx E, 5x W Force, 2
Air 53 = 11.67

Sea: Sky:

TEMPERATURES

Depth	Thermometer-- Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
115	B.S.						
5	"	2.0		-.05	3.65		
10	H2	2.75	3.5	-.04	2.71		
15	"	2.75	4.5	-.01	2.74		
15	R	2.82	4.5	-.02	2.80		
15	H2	5.5	5.5	-.14	5.36		
10	"	5.46	4.5	-.01	5.45		
10	"	5.10	4.5	-.01	5.09		
A(1) 6.17 2.5 7.7							
" 2.5 7.7							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 11-5314

NETS, ETC., USED

Description	Depth meter	TIME		Speed
		Down	Up	
2 meter vertical	250-0	PR		
Metered, 250 m. 2'	200-0	4:51	5:20	
250 m. 100 m. 2'	100-0	4:51	5:30	
12 m. # 70	0	4:45	5:20	

11-5314

NOTES

2 meter vertical - 100 m. 2'

Super - 1/2 m. Some Calanus

Chrys. small and Calanus

To be note Calanus,

2000

Station No. *5055* Date: *June 21* 191*1*

Hour: *9:20* A. M. to *11:00* P. M.

Position: Lat. *47 15* Long. *67 5*

Chart C & 651106

Locality:

Depth: *100* Bottom: *—* Sample: *—*

Wind: Direction, *S x W* Force, *2*

Sea: *Smooth* Sky: *Clear*

Alt 47 = 8.33

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>meter</i>	<i>P.S.</i>						<i>615</i>
<i>0</i>	<i>Tyco A</i>	<i>36</i>	<i>—</i>	<i>+0.5</i>	<i>2.5</i>		
<i>5</i>	<i>R 11499</i>	<i>2.20</i>	<i>3</i>	<i>0</i>	<i>2.20</i>	<i>✓</i>	
<i>10</i>	<i>T 21672</i>	<i>2.28</i>	<i>4</i>	<i>-.08</i>	<i>2.20</i>	<i>✓</i>	
<i>100</i>	<i>" 20872</i>	<i>3.68</i>	<i>4</i>	<i>-.07</i>	<i>3.61</i>	<i>✓</i>	<i>3</i>
<i>150</i>	<i>" 21500</i>	<i>5.00</i>	<i>3.5</i>	<i>-.03</i>	<i>4.97</i>	<i>✓</i>	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth meter	TIME		Speed
		Down	Up	
1/2 meter vertical	10-0	7:45		
1 meter net / cable out 150 m $\angle 35^\circ$	35-125	10:25	11:00	
1/5 m # 20	0	10:25	10:53	

11-5314

NOTES

vertical - too scanty to measure
net saved 1 foot

20 & 1/2 m - some distinct

1 meter - saw catch
large Calappa - saw 100 yd
red very large *Plumbosquilla* -
Suphanispa all saved

Station No. 020089 Date: 4-1-6 1912

Hour: 3:17 P. M. to 4:25 P. M.

Position: Lat. *41° 21' N* Long. *70° 11' W*
Chart *C. 56, 1106*

Locality:

Depth: 60 m Bottom: Sample:

Wind: Direction, NW Force, 6
Air 42 = 5.56
Sea: 1/2 Sky: Clear

Sea: *Blue* Sky: *Clear*

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	Tycora	37°	—	7.05	3.05	✓	9-13
10	M.Z. 20873	2.48	4.	-0.09	2.39	✓	2
25	" 20872	2.38	4.	-0.07	2.31	✓	
60	" 20874	1.58	4.	-0.09	1.49	✓	4

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth <i>fathoms</i>	TIME		Speed
		Down	Up	
<i>1/2" # 20</i>	<i>600</i>	<i>1:12</i>		
<i>1/2" # 20, 120'</i>	<i>1200</i>	<i>1:12</i>	<i>4:21</i>	
<i>1/2" # 20</i>	<i>1200</i>	<i>2:10</i>	<i>4:21</i>	

11-5314

NOTES

Reel, Dints m

Station No. 0200 Date: April 7 1912
 Hour: 10:15 A. M. to 11:55 A. M.

Position: Lat. 11 Long. 70
C. G. Chart # 1106

Locality:

Depth: 134 meters Bottom: — Sample:

Wind: Direction, W Force, 3
Air 40 = 41.4
 Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<u>11.15</u>	<u>B. S. #</u>						<u>CP#</u>
<u>0</u>	<u>2008 A</u>	<u>37.5</u>	<u>—</u>	<u>+0.5</u>	<u>3.33</u>	<u>✓</u>	
<u>1</u>	<u>R 11100</u>	<u>2.50</u>	<u>3.</u>	<u>0</u>	<u>2.50</u>	<u>✓</u>	
<u>3</u>	<u>11108</u>	<u>2.50</u>	<u>3.5</u>	<u>-0.5</u>	<u>2.42</u>		
<u>7</u>	<u>11108</u>	<u>2.37</u>	<u>2.</u>	<u>-0.2</u>	<u>2.30</u>		
<u>12</u>	<u>11108</u>	<u>2.30</u>	<u>2.5</u>	<u>-0.5</u>	<u>2.25</u>		

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Vineyard 21.	120.	11		
1000 (1000-120)	1000	11:20	11:25	
1000 (1000-120)	1000	11:25	11:30	

11-5314

NOTES

Station No. 191

Date: 1911

191

Hour: 1:50 P. M. to 2:15 P. M.

Position: Lat. 42° 43' N Long. 70° 22' W

C. 56 Chart 4 1106

Locality:

Depth: 60 meters Bottom: —

Sample: —

Wind: Direction, NW x N Force, 3

Air 43 = 6.1

Sea: 2 Sky: Clear

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Meters	B. S. #						B. S. #
0	2205 A			+0.5	3.33	✓	
20	NZ. 20873	2.54	2.5	-.06	2.48	✓	2
60	R. 11499	2.50	2.5	0	2.50		10

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth <i>meters</i>	TIME		Speed
		Down	Up	
Water net 40m ✓ ⁴⁰	30-0	2:18 ^{PM}	2:55	
42 #20	0	2:18	2:55	

11-5314

NOTES

water net - surface - about 1/2 hour
 Average of distances

Station No. *0-20000* Date: *Sept. 1* 191*0*Hour: *5:13* P. M. to *7:45* P. M.Position: Lat. *42° 49' N* Long. *70° 27' W*
11.16

Locality:

Depth: *85 meters* Bottom: *—* Sample: *—*Wind: Direction, *NW x W* Force, *3*
*411-42 = 5.6*Sea: *Smooth* Sky: *Clear*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>B.S.</i>						
<i>0</i>	<i>Sigs. A</i>	<i>37.</i>	<i>—</i>	<i>+0.5</i>	<i>3.05</i>	<i>✓</i>	
<i>1</i>	<i>11.16</i>	<i>2.00</i>	<i>2.5</i>	<i>-0.6</i>	<i>1.94</i>	<i>✓</i>	<i>1</i>
<i>2</i>	<i>11.16</i>	<i>2.30</i>	<i>2.5</i>	<i>-0.4</i>	<i>2.16</i>	<i>✓</i>	<i>3</i>
<i>3</i>	<i>11.16</i>	<i>2.41</i>	<i>2.5</i>	<i>-0.6</i>	<i>2.35</i>	<i>✓</i>	<i>2</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth Meters	TIME		Speed
		Down	Up	
Vertical (1 m)	5.00	7:11		
75' Otter (about 150 fms) 270 m)	bottom	6:05	7:11	
12" # 20	0	6:00	6:50	

11-5114

NOTES

Many gill net
* Meters net came up full of trash.

Diatoms.

Small Pl -
Hyalophora
Euglenoid
Diatoms oblique
Diatoms in rope

Station No. *1167* Date: *Feb. 3* 191*10*

Hour: *10.30* . M. to *11.50* P. M.

Position: Lat. *42° 57' N* Long. *70° 51' 00" W*
S. 15° E. 10 mi (116)

Locality:

Depth: *93 fms* Bottom: *1167m* Sample: *—*

Wind: Direction, *NNW* Force, *3*
Air 39 = 3.9

Sea: *Smooth* Sky: *Clear*

TEMPERATURES

Depth <i>Meters</i>	Thermometer— Make and No. <i>B.S. #</i>	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>0</i>	<i>Tyros A</i>	<i>37.0</i>	<i>—</i>	<i>+0.5</i>	<i>36.5</i>	<i>✓</i>	<i>—</i>
<i>20</i>	<i>R. 11499</i>	<i>2.40</i>	<i>1.</i>	<i>+0.2</i>	<i>2.60</i>	<i>✓</i>	<i>—</i>
<i>40</i>	<i>NZ. 20842</i>	<i>2.50</i>	<i>1.5</i>	<i>-.04</i>	<i>2.26</i>	<i>✓</i>	<i>—</i>
<i>100</i>	<i>20842</i>	<i>3.60</i>	<i>1.5</i>	<i>-.01</i>	<i>3.59</i>	<i>✓</i>	<i>—</i>
<i>1167</i>	<i>20844</i>	<i>4.20</i>	<i>1.5</i>	<i>-.01</i>	<i>4.29</i>	<i>✓</i>	<i>21</i>

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth <i>meters</i>	TIME		Speed
		Down	Up	
<i>1. 1st</i>	<i>1600</i>	<i>PA</i>		
<i>11. 1st</i>	<i>1210</i>	<i>11:15</i>	<i>11:50</i>	
<i>11. 2nd</i>	<i>0</i>	<i>11:15</i>	<i>11:50</i>	

11-5314

NOTES

Swims at diatoms.

*9.8
14.4
43.8
16.7*

Station No. 11-20-01 Date: 1912
Hour: 3:00 A.M. to 4:15 A.M.

Position: Lat. 11° 00' N Long. 60° 00' W
C. 17.5, chart 1106

Locality:

Depth: 76 m Bottom: Sample:

Wind: Direction, Force, 3 Air 39 = 3.9
Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	B.S. #						61
0	Tyco A	36.5	—	+0.5	2.78	✓	
20	20872	2.40	2.5	-0.1	2.34	✓	
40	" 20872	2.50	2.5	-0.1	2.46	✓	3
	" 20872	2.86	2.5	-0.1	2.82	✓	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

NETS, ETC., USED

Description	Depth <i>m.</i>	TIME		Speed
		Down	Up	
<i>11m / 70m</i>	<i>31</i>	<i>3:35</i>	<i>4:05</i>	
<i>1/2m</i>	<i>0</i>	<i>3:35</i>	<i>4:05</i>	
<i>12"</i>	<i>1</i>			
<i>Vertical</i>	<i>90-0</i>			

11-5314

NOTES

Diatoms
2 p haul, large blue-green

Station No. 19120 Date: April 10 1912

Hour: 7:15 . M. to 10:15 . M.

Position: Lat. 43° 25' N Long. 70° 15' W
C. T. G. S. Chart # 1106

Locality:

Depth: 100 Bottom: Sample:

Wind: Direction, NWXN Force, 2
Air 41 = 55.0

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	B. S.						
100		2.5		-0.5	3.0	1	E. 16
200		2.7		-0.7	3.4	2	
300		2.8		-0.8	3.6	3	
400		2.9		-0.9	3.8	4	
500		3.0		-1.0	4.0	5	
600		3.1		-1.1	4.2	6	
700		3.2		-1.2	4.4	7	
800		3.3		-1.3	4.6	8	
900		3.4		-1.4	4.8	9	
1000		3.5		-1.5	5.0	10	

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

NETS, ETC., USED

Description	Depth <i>meters</i>	TIME		Speed
		Down	Up	
<i>Y-m, 1000</i>	<i>900</i>	<i>11:11</i>		
<i>Net, 1000</i>	<i>1500</i>	<i>8:14</i>	<i>5:14</i>	
<i>1/2</i>	<i>0</i>	<i>8:14</i>	<i>8:20</i>	
<i>12</i>				

11—5314

NOTES

A number of people were present
including the American Authors,
The Librarian of the House,
The American Consul, & others.
The American Consul, & others.
The American Consul, & others.
The American Consul, & others.
The American Consul, & others.
The American Consul, & others.

Station No. *11-5314* Date: *19120*

Hour: *12:20 P* . M. to *1:35 P* . M.

Position: Lat. *43-40* Long. *69-37*

Locality: *Chart C-65 1106*
off Boothbay

Depth: *80 meters* Bottom: *—* Sample: *—*

Wind: Direction, *S.W.* Force, *2*
1154 = 12.2

Sea: *P* Sky: *—*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>0</i>	<i>2400 A</i>	<i>36.5</i>		<i>+0.5</i>	<i>2.78</i>	<i>✓</i>	<i>CA</i>
<i>20</i>	<i>2400 A</i>	<i>2.1</i>	<i>5.0</i>	<i>-0.9</i>	<i>2.42</i>	<i>✓</i>	<i>5</i>
<i>60</i>	<i>2400 A</i>	<i>2.4</i>	<i>4.0</i>	<i>-0.9</i>	<i>2.34</i>	<i>✓</i>	<i>2</i>
<i>Alcidity - 8.0</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: *—* Transparency: *—*

Station No. 1000 Date: 1910

Hour: 11:00 P.M. to 12:25 A.M.

Position: Lat. 43-19 Long. 68-54-30
Chart CG 51106

Locality:

Depth: 1300 Bottom: Sample:

Wind: Direction, SW Force, 10 Air 40 = 4.4

Sea: Smooth Sky: Clear

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
0	BS "						GB "
0	Tyco A	37.5	—	+0.5	3.33	✓	
20	R 11419	2.40	3	0	2.40	✓	10
110	NZ 2871	2.2	3.5	-0.1	2.13	✓	11
100	" 20872	3.55	3	-0.4	3.46	✓	5
125	" 20873	4.60	3	-0.9	4.51	✓	2

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

NETS, ETC., USED

Description	Depth <i>Meters</i>	TIME		Speed
		Down	Up	
Vertical ($\frac{1}{2}$ meter)	130-0		AM	
Plankton beam 20	130-0	11:17	12:12	
Meter 20	130-0	11:15	12:20	

11-5314

NOTES

Vertical net carried away;

no diatom
clione

Station No. *C 2000* Date: *July 1, 1911* 191

Hour: *7* . M. to *11* . M.

Position: Lat. *43-42-30* Long. *67-55*
Chart C + 651106

Locality:

Depth: *215 fms* Bottom: *gy. m.* Sample:

Wind: Direction, *E* Force, *1 Calm*
Air 44 = 6.7
Sea: *Smooth* Sky: *Clear*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
<i>Surf</i>	<i>B. S.</i>						<i>G.P. #</i>
<i>0</i>	<i>Agassiz A.</i>	<i>37.0</i>	<i>—</i>	<i>+0.5</i>	<i>3.05</i>	<i>✓</i>	
<i>"</i>	<i>Z 21515</i>	<i>2.30</i>	<i>4</i>	<i>+0.03</i>	<i>2.33</i>	<i>✓</i>	<i>8</i>
<i>40</i>	<i>" 20875</i>	<i>2.58</i>	<i>5</i>	<i>-0.05</i>	<i>2.53</i>	<i>✓</i>	<i>6</i>
<i>100</i>	<i>" 20874</i>	<i>3.60</i>	<i>5</i>	<i>-0.07</i>	<i>3.53</i>	<i>✓</i>	<i>4</i>
<i>150</i>	<i>" 20872</i>	<i>5.00</i>	<i>5</i>	<i>-0.09</i>	<i>4.91</i>	<i>✓</i>	<i>5</i>
<i>210</i>	<i>" 20873</i>	<i>5.39</i>	<i>4</i>	<i>-0.11</i>	<i>5.28</i>	<i>✓</i>	<i>2</i>
<i>At bottom, surface 7.95</i>							

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

NETS, ETC., USED

Description	Depth meters	TIME		Speed
		Down	Up	
Closing cable 150m $\angle 40$	125	^{A.M.} 8:00	8:35	
Meter net # 20	} 0	8:00	8:35	
Meter cable out 125 $\angle 40-60$		9:00	9:30	

11-5314

NOTES

Impossible to use closing net
act. quantity of seaweed.

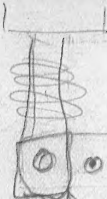
Surface meter net clogged with seaweed
no diatoms

62
89
95
119

$$\begin{array}{r} 33.8 \\ \hline 34.3 \end{array}$$

$$1.8 \overline{) 2.00} \begin{array}{l} 1.1 \\ \hline 1.8 \\ \hline 2.0 \end{array} \quad 2.3$$

$$1.8 \overline{) 2.3} \begin{array}{l} 1.2 \\ \hline 1.8 \\ \hline 50 \\ \hline 36 \end{array}$$



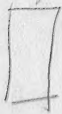
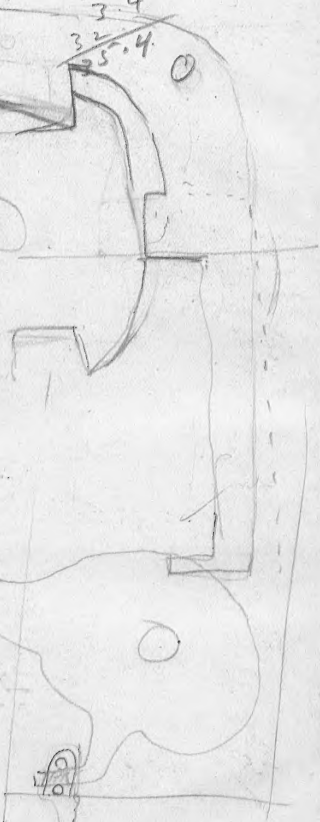
$$\begin{array}{r} 1.9 \quad 7 \\ 1.8 \\ \hline 152 \\ 1.9 \\ \hline 3.4 \quad 2 \end{array}$$

35.5

$$\begin{array}{r} 32 \\ 35.4 \\ \hline \end{array}$$

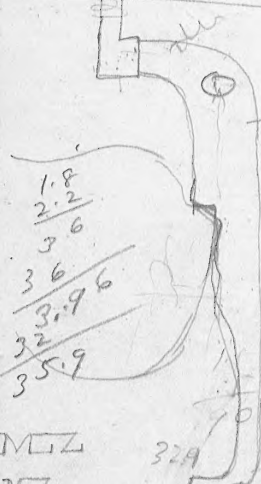
①

50



Truppi

$$\begin{array}{r} 3.6 \\ 1.8 \\ \hline 5.4 \\ 28.8 \\ \hline 34.2 \\ 6.48 \\ \hline 40.68 \\ 32 \\ \hline 78.78 \end{array}$$



$$\begin{array}{r} 1.8 \\ 2.2 \\ \hline 3.6 \\ 3.6 \\ \hline 3.96 \\ 32 \\ \hline 35.9 \end{array}$$

$$\begin{array}{r} 1.8 \\ 1.8 \\ \hline 1.44 \\ 1.8 \\ \hline 3.24 \\ 32 \\ \hline 35.22 \\ 3.6 \\ \hline 35.6 \end{array}$$

$$\begin{array}{r} 36 \\ 32 \\ \hline 35.6 \end{array}$$

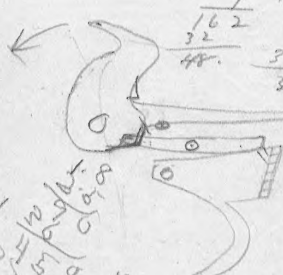
$$\begin{array}{r} 1.8 \\ 2.2 \\ \hline 1.26 \\ 32 \\ \hline 33.26 \end{array}$$

MLZ
MLZ

329

$$\begin{array}{r} 1.8 \\ 9 \\ \hline 16.2 \\ 32 \\ \hline 48. \\ 7.18 \\ \hline 32 \\ 32 \\ \hline 35.6 \end{array}$$

$$\begin{array}{r} 1.31 \\ 1.8 \\ \hline 10.98 \\ 1.31 \\ \hline 20.58 \end{array}$$



$$\begin{array}{r} 8.6 \\ 1.8 \\ \hline 2.4 \\ 2.4 \\ \hline 5.4 \\ 5.4 \\ \hline 5.4 \end{array}$$

$$\begin{array}{r} 32.1 \\ 2.4 \\ \hline 34.4 \end{array}$$

$$\begin{array}{r} 1.8 \\ 2.4 \\ \hline 7.2 \\ 36 \\ \hline 53.2 \end{array}$$



$$\begin{array}{r} 1.8 \\ 2.4 \\ \hline 7.2 \\ 36 \\ \hline 53.2 \end{array}$$